



**DECLARATION FOR PATENT APPLICATION  
AND POWER OF ATTORNEY**

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APR 03 2002

Technology Center 2600

As a below named inventor, I hereby declare that:

My residence, post office address and citizenship are as stated below adjacent to my name.

I believe I am the original, first and sole inventor (if only one name is listed below) or an original, first and joint inventor (if plural names are listed below) of subject matter (process, machine, manufacture, or composition of matter, or an improvement thereof) which is claimed and for which a patent is sought by way of the application entitled

Increasing Hydrogen Adsorption Of Nanostructured Storage Materials By Modifying  $sp^2$  Covalent Bonds

which (check)  is attached hereto.  
 and is amended by the Preliminary Amendment attached hereto.  
 was filed on December 11, 2001 as Application Serial No. 10/020,344  
 and was amended on (if applicable).

I hereby state that I have reviewed and understand the contents of the above identified specification, including the claims, as amended by any amendment referred to above.

I acknowledge the duty to disclose information, which is material to patentability as defined in Title 37, Code of Federal Regulations, § 1.56.

I hereby appoint the following practitioners to prosecute this application and to transact all business in the United States Patent and Trademark Office connected therewith:

Customer Number 27869



27869

PATENT TRADEMARK OFFICE

Please address all correspondence and telephone calls to:

Gergely T. Zimányi  
**SKJERVEN MORRILL MacPHERSON LLP**  
 Three Embarcadero Center, 28<sup>th</sup> Floor  
 San Francisco, California 94111

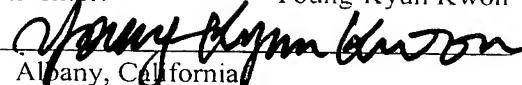
Telephone: 415-217-6000  
 Facsimile: 415-434-0646

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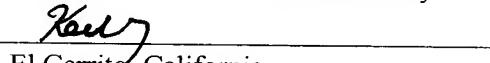
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TC 1700

I declare that all statements made herein of my own knowledge are true, all statements made herein on information and belief are believed to be true, and all statements made herein are made with the knowledge that whoever, in any matter within the jurisdiction of the Patent and Trademark Office, knowingly and willfully falsifies, conceals, or covers up by any trick, scheme, or device a material fact, or makes any false, fictitious or fraudulent statements or representations, or makes or uses any false writing or document knowing the same to contain any false, fictitious or fraudulent statement or entry, shall be subject to the penalties including fine or imprisonment or both as set forth under 18 U.S.C. 1001, and that violations of this paragraph may jeopardize the validity of the application or this document, or the validity or enforceability of any patent, trademark registration, or certificate resulting therefrom.

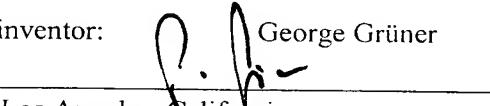
Full name of first joint inventor: Young-Kyun Kwon  
Inventor's Signature:  Date: 3/1/02  
Residence: Albany, California  
Post Office Address: 747 Red Oak Ave., #752  
Albany, CA 94706 Citizenship: Korea

Full name of second joint inventor: Seung-Hoon Jhi  
Inventor's Signature:  Date: 3/01/2002  
Residence: Albany, California  
Post Office Address: 605 Ohlone Ave., #629  
Albany, CA 94706 Citizenship: Korea

Full name of third joint inventor: Keith Bradley  
Inventor's Signature:  Date: 3/1/02  
Residence: El Cerrito, California  
Post Office Address: 1317 Liberty Av., #19  
El Cerrito, CA 94530 Citizenship: U.S.A.

Full name of fourth joint inventor: Philip G. Collins  
Inventor's Signature:  Date: 3/1/2002  
Residence: Oakland, California  
Post Office Address: 451 Hudson St.  
Oakland, CA 94618 Citizenship: U.S.A.

Full name of fifth joint inventor: Jean-Christophe P. Gabriel  
Inventor's Signature:  Date: 03/01/2002  
Residence: Pinole, California  
Post Office Address: 1205 McDonald Dr.  
Pinole, CA 94564 Citizenship: U.S.A.

Full name of sixth joint inventor: George Grüner  
Inventor's Signature:  Date: 3/1/02  
Residence: Los Angeles, California  
Post Office Address: 960 Kenfield Ave.  
Los Angeles, CA 90049 Citizenship: U.S.A.

Full name of seventh joint inventor: Marvin Cohen  
Inventor's Signature: Marvin I. Cohen Date: 3/13/02  
Residence: Piedmont, California  
Post Office Address: 201 Estates Drive  
Piedmont, California 94611 Citizenship: U.S.A.

Full name of eighth joint inventor: Steven Louie  
Inventor's Signature: Steven G. Louie Date: 3/6/02  
Residence: Berkeley, California  
Post Office Address: 909 Hilldale Avenue  
Berkeley, California 94708 Citizenship: U.S.A.

Full name of ninth joint inventor: Alex Zettl  
Inventor's Signature: Alex Zettl Date: 3/13/02  
Residence: Kensington, California  
Post Office Address: 147 Highland Boulevard  
Kensington, California 94708 Citizenship: U.S.A.

## ASSIGNMENT

For good and valuable consideration, receipt of which is hereby acknowledged, we

<u>Young-Kyun Kwon</u>	of	<u>Albany California</u>
<u>Seung-Hoon Jhi</u>	of	<u>Albany, California</u>
<u>Keith Bradley</u>	of	<u>El Cerrito, California</u>
<u>Philip G. Collins</u>	of	<u>Oakland, California</u>
<u>Jean-Christophe P. Gabriel</u>	of	<u>Pinole, California</u>
<u>George Grüner</u>	of	<u>Los Angeles, California</u>
<u>Marvin Cohen</u>	of	<u>Piedmont, California</u>
<u>Steven Louie</u>	of	<u>Berkeley, California</u>
<u>Alex Zettl</u>	of	<u>Kensington, California</u>

hereby sell, assign and transfer to **COVALENT MATERIALS, INC.**, a California corporation, having a place of business at **1295 A 67th Street, Emeryville, California 94608**, its successors and assigns, the entire right, title and interest throughout the world in our invention in

# INCREASING HYDROGEN ADSORPTION OF NANOSTRUCTURED STORAGE MATERIALS BY MODIFYING $sp^2$ COVALENT BONDS

for which we filed a United States Patent Application on December 11, 2001, which now has Serial No. 10/020,344, and all patent applications and patents of every country for said invention, including divisions, reissues, continuations and extensions thereof, and all rights of priority resulting from the filing of said applications; we authorize the above-named assignee to apply for patents of foreign countries for said invention, and to claim all rights of priority without further authorization from us; we agree to execute all papers useful in connection with said United States and foreign applications, and generally to do everything possible to aid said assignee, their successors, assigns and nominees, at their request and expense, in obtaining and enforcing patents for said invention in all countries; and we request that the United States Patent and Trademark Office issue all patents granted for said invention to the above-named assignee, its successors and assigns.

Executed this 6th day of March, 2002.

County of \_\_\_\_\_ )  
On \_\_\_\_\_ before me, \_\_\_\_\_  
personally appeared \_\_\_\_\_ personally  
known to me or proved to me on the basis of satisfactory evidence to be the person(s) whose  
name(s) is(are) subscribed to the within instrument and acknowledged to me that he/she/they  
executed the same in his/her/their authorized capacity(ies), and that by his/her/their  
signature(s) on the instrument the person(s), or the entity upon behalf of which the person(s)  
acted, executed the instrument.

WITNESS my hand and official seal.

**SIGNATURE OF NOTARY**

Executed this 1st day of MARCH, 2002.

Seung-Hoon Jhi  
Seung-Hoon Jhi

State of \_\_\_\_\_ )  
                  ) ss.

County of \_\_\_\_\_ )

On \_\_\_\_\_ before me, \_\_\_\_\_  
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signature(s) on the instrument the person(s), or the entity upon behalf of which the person(s)  
acted, executed the instrument.

WITNESS my hand and official seal.

\_\_\_\_\_  
SIGNATURE OF NOTARY

Executed this 1st day of MARCH, 2002.

Keith Bradley  
Keith Bradley

State of \_\_\_\_\_ )  
                  ) ss.

County of \_\_\_\_\_ )

On \_\_\_\_\_ before me, \_\_\_\_\_  
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signature(s) on the instrument the person(s), or the entity upon behalf of which the person(s)  
acted, executed the instrument.

WITNESS my hand and official seal.

\_\_\_\_\_  
SIGNATURE OF NOTARY

Executed this 1<sup>st</sup> day of MARCH, 2002.

Philip G. Collins  
Philip G. Collins

State of \_\_\_\_\_ )  
                  ) ss.

County of \_\_\_\_\_ )  
                  )

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WITNESS my hand and official seal.

SIGNATURE OF NOTARY

Executed this 1<sup>st</sup> day of March, 2002.

Jean-Christophe P. Gabriel

State of \_\_\_\_\_ )  
                  ) ss.

County of \_\_\_\_\_ )  
                  )

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acted, executed the instrument.

WITNESS my hand and official seal.

SIGNATURE OF NOTARY

Executed this 13 day of MARCH, 2002.

  
George Grüner

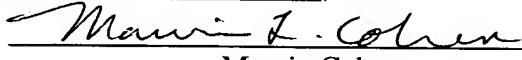
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WITNESS my hand and official seal.

SIGNATURE OF NOTARY

Executed this 13 day of March, 2002.

  
Marvin Cohen

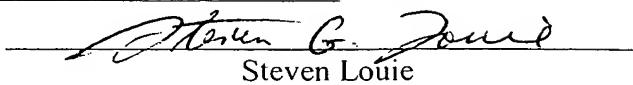
State of \_\_\_\_\_ )  
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WITNESS my hand and official seal.

SIGNATURE OF NOTARY

Executed this 6 day of March, 2002.

  
Steven G. Louie

Steven Louie

State of \_\_\_\_\_ )  
                  ) ss.

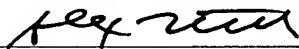
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acted, executed the instrument.

WITNESS my hand and official seal.

SIGNATURE OF NOTARY

Executed this 13<sup>th</sup> day of March, 2002.

  
Alex Zettl

Alex Zettl

State of \_\_\_\_\_ )  
                  ) ss.

County of \_\_\_\_\_ )

On \_\_\_\_\_ before me, \_\_\_\_\_  
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